

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/JP 03/11029

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G03F7/038 G03F7/004

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G03F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 106 998 A (K. MAEDA ET AL.) 22 August 2000 (2000-08-22) column 19 -column 22; examples 3,4,7,8	1-10
X	US 5 478 606 A (N. OHKUMA ET AL.) 26 December 1995 (1995-12-26) column 10; figures 3-5; table 2	1-3,5,6
A	US 4 565 859 A (T. MURAI ET AL.) 21 January 1986 (1986-01-21) claim 13	1-10



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

9 January 2004

Date of mailing of the international search report

15/01/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5618 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Dupart, J.-M.

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP 03/11029

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6106998	A	22-08-2000	JP 3022412 B2	21-03-2000
			JP 11015159 A	22-01-1999
			JP 3033549 B2	17-04-2000
			JP 11174677 A	02-07-1999
US 5478606	A	26-12-1995	JP 3143307 B2	07-03-2001
			JP 6286149 A	11-10-1994
			AT 166836 T	15-06-1998
			CN 1104585 A , B	05-07-1995
			DE 69410648 D1	09-07-1998
			DE 69410648 T2	10-12-1998
			EP 0609860 A2	10-08-1994
			ES 2116478 T3	16-07-1998
			KR 152452 B1	01-12-1998
US 4565859	A	21-01-1986	JP 1721054 C	24-12-1992
			JP 4010471 B	25-02-1992
			JP 60166675 A	29-08-1985
			JP 1897574 C	23-01-1995
			JP 6025194 B	06-04-1994
			JP 60161973 A	23-08-1985
			JP 1480756 C	10-02-1989
			JP 60170620 A	04-09-1985
			JP 63031493 B	24-06-1988
			DE 3586597 D1	15-10-1992
			DE 3586597 T2	11-03-1993
			EP 0150850 A2	07-08-1985
			JP 1152119 A	14-06-1989
			JP 1724382 C	24-12-1992
			JP 4012889 B	06-03-1992